Second & Final bill
Recorded on:-

Job Code:-003-20-000085
ERT Cost RS. 1002 Lakhs

M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. 495138

Name of work: Improvements to roads, drains and other developmental works in ward no-02 & 03 under road development head in Chief Minister Nava Nagarothana grants of Yelahanka division. (Package-01).

Name of Contractor of nature of Agency: Sri. R. Santhosh (M/S Sathya Constructions)

Date of commencement of work: 23/03/2020 To: 10-Gol Gown Bazaar Road Yelahanka Bangalore-64.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) KSRRB clearing and grubbing road land including uprooting rank vegetation, grass, bushes, stumps, saplings and trees girth up to 300mm by manual means in areas of light jungle, removal of stumps disposable of unserviceable materials stacking of serviceable materials labour charges Complete as per Specification. MoRTH/chapter 2.						
	Quantity vide AR per prepared in excel book:-					0.00 m^2	
						CRS. 11.13	0.00
	(2) Removing and resetting of footpath slab.						
	Quantity vide AR per prepared in excel book:					0.00 m^2	
	Cert AE-2					CRS. 219.26	0.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Removing and resetting of Kerb stones. Quantity vide, AR per prepared in excel book:- 2444.00 m² CRS. 110.19						26930435
	(4) KSRRB m200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work. including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts & complete as per Specifications. i) Lime / cement concrete 1/8 by manual means A. Lime concrete. Cement concrete grade m-10 and below MORTH Specifications						
	No. 202.						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Quantity vide, A
	(5) Earth work exc Cana works in ordinary dressed, the dispo deck complete as pe -in-charge of the Quantity vide, A

M. A. R. 57 (Rule 116)
Measurement Book

No. E

495139

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, As per prepared in excel book:- 0.00 m^3 @Rs. 505.30						0.00
	(5) Earth work excavation by manual mean for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods Complete as per Specifications and as per directions of the engineer-in-charge of the work. Quantity vide, As per prepared in excel book: 515.04 m^3 @Rs. 222.38						114,534.60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⑥ KSRB 4-1.2: Providing and laying in position plain Cement Conc-ete of mix 1:3:6 with OPC @ 220Kgs. with 40mm and down size gra-ded granite metal Coarse aggregates @0.892 Cum and fine aggregates @0.465 Cum machine mixed, Concrete laid in l-ayers not exceeding 150mm THICK well Compacted in foundation in-cluding Cost of all materials, labour, Hom curing Complete as Per Specifications. Specification no. KBS 4.1, 4.2.						
	Quantity vide AR per prepared in excel book:- 97.32 m³ @ Rs. 5780.92 = 562,628/-						
	⑦ Providing TMT Bars Fe500 steel reinforcement for R-C-C work including straightening, cutting, bending, hooking						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	placing in position, -with binding wire -ver necessary Coop- not be measured -lete as per Speci- in charge of work. Quantity vide,

M. A. R. 57 (Rule 116) No. E
Measurement Book

495140

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members where-ver necessary Complete as per design (laps, hooks and wastage shall not be measured and paid) Cost of materials, labour, Hoisting Complete as per Specifications and as per direction of the engineer in charge of work.						
	Quantity vide, As per prepared in excel book: 12.17 MT						
					CRS. 75943.33	9,24,236.74	

M. A. R. 57 (Rule 116) No. E

Measurement Book

495142

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency. .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Per Specifications and as per directions of engineer in charge of work. Quantity vide, As per prepared in excel book:- 2914.63 m² CRS. 500.85					1459792.73	
	(12) painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces with materials, labour Complete as per Specifications and as per directions of the engineer in charge of work. Quantity vide, As per prepared in excel book:- 1877.50 m² CRS. 89.04					167172.60	

M. A. R. 57 (Rule 116) No. E

Measurement Book

495143

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Per directions of the engineer in charge of work.						
	Quantity vide, AS per prepared in excel book: - 628.65 m^3					37643.56	
	CRS. 59.88						
	(15) Construction of Granular Sub base Spreading work Sub base and drainage layer by providing Coarse Stone aggregates of granite/ trap/ basalt material, mixing by mix in place method with motavator at one, Spreading in uniform layers with motor grader on prepared surface, and Compacting with vibratory roller to achieve 98% proctor density Completed as per Specifications and as per directions of the engineer-in-charge of the work.						

M. A. R. 57 (Rule 116) No. E
Measurement Book

495144

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	quantity vide AR per prepared in excel book: -314.16 m² @Rs. 2101.34						G.B. 167.48
	(17) Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, Hire of machinery Complete as per Specifications and as per direct-ions of the engineer in charge of the work.						
	quantity vide AR per prepared in excel book: -2095.50 m² @Rs. 6.68						13997.94
	(18) Providing and applying primer coat with S.S bitumen conforming						

M. A. R. 57 (Rule 116) No. E
Measurement Book

495145

Serial No .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as per Specifications and as per directions of the engineer-in-charge of the work.						
	Quantity vide, AS per prepared in excel book :-					15039.70 m²	8377.13
						@RS. 5.57/	
(20)	Providing and laying dense graded using 120 TPH Capacity Asphalt Batch mix plant with Sensor paver Gr-II (50 mm to 75 mm) with 4.5% VG-30 Bitumen Crushed aggregates of Specified grading premixed with VG30 grade bitumi-nous binder and transporting the hot mixe to work site, laying to the re-quired grade, level and alignment rolling with Smooth wheeled, vibratory and tandem rollers to achieve the desired Compaction in all respects Complete as per Specifications clause 505 of MORTH V revision.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495148

Serial No .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of blue Colour & white letters and fixed over 4mm THICK Aluminium Composite material Sheet having minimum 0.5mm THICK Aluminium Skin on both Sides with back Side painted grey Colour and fixed over back Support frame SS Angle of 15 mm x 20 mm x 1.2 mm Supported by 38 mm OD Stainless steel pipe all around in 304 grade and 2 Nos of vertical post of 50 mm OD Stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of Size 450 mm x 450 mm x 600 mm in 1:1.5:3 ratio Cement Concrete. etc as per Specifications.						
	Quantity vide AS per prepared in excel book :- 4.32 m²						
	CRS. 14799.56						63984.10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(26) Direction and place identification Signs with more than 0.9 Sqm Size board providing and erecting direction and place identification retro-reflectorised Sign as per IRC.67 made of high intensity grade sheeting vide clause 801.3. fixed over aluminium sheeting. 2mm Thick with area not exceeding 0.9 Sqm Supported on a mild steel Single angle iron post 75x75x 6mm 2 Nos firmly fixed to the ground by concrete of properly designed foundation with m-15 grade Cement Concrete 45x45 x60 cm, 60cm below ground level as per approved drawing.						
	Quantity vide, As per prepared in excel book:- 23.49 m²						1,86,419.35
						CRS. 7935.69	
	Asst. Executive Engineer Yelahanka Sub. Division (BBMP/Ynk. Zn) Yelahanka, Bangalore				Total	RS :-	1,72,43,565

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

CERTIFICATE

1) Certified that the

2) Certified that the

M. A. R. 57 (Rule 116) No. E 495149

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					GST 12%, RS:-		20,69,228.00
					Grand Total RS:-		1,93,12,793.00

CERTIFICATE:-

1) Certified that the above work is done Satisfactory Completed.

2) Certified that the, there is no debricks have been cleared to site.

23/12/2020
AE-02

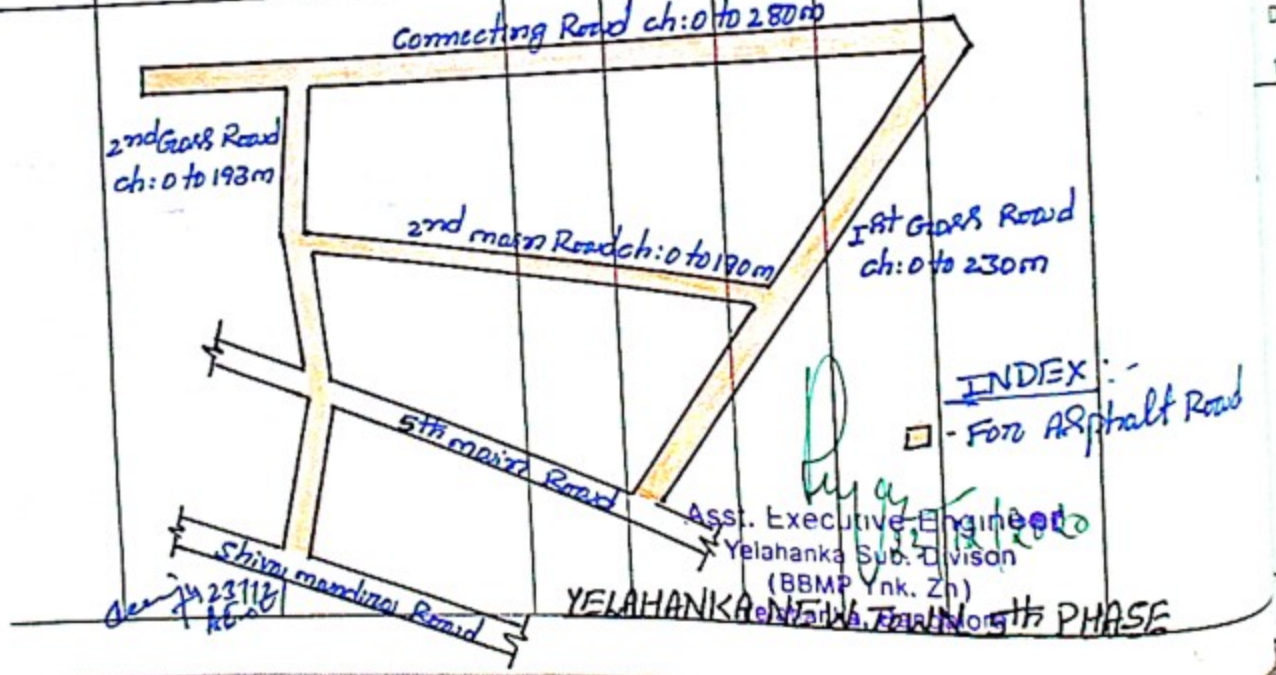
23/12/2020
AE-3

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

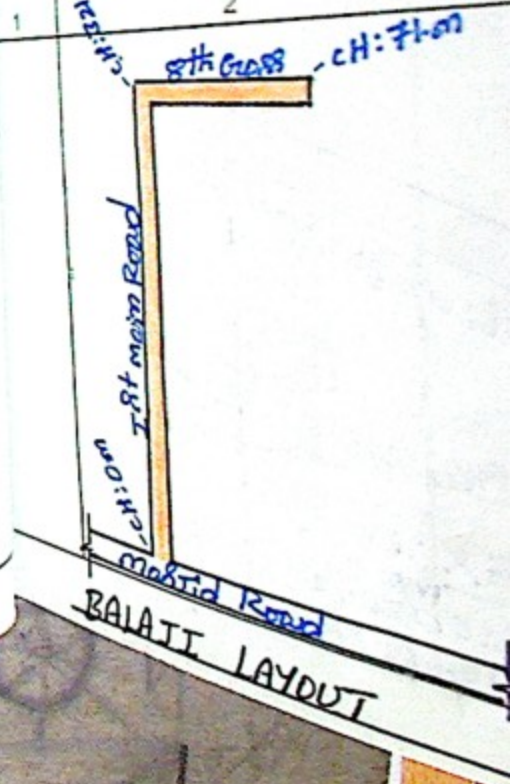
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8


Connecting Road ch:0 to 280m
2nd Cross Road ch:0 to 193m
2nd main Road ch:0 to 190m
1st Cross Road ch:0 to 230m
5th main Road
Shivamandira Road
INDEX :-
- For Asphalt Road
YELAHANKA NEW TOWN 5th PHASE

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work
1	2



M. A. R. 57 (Rule 116) No. E

Measurement Book

Serial No. .....

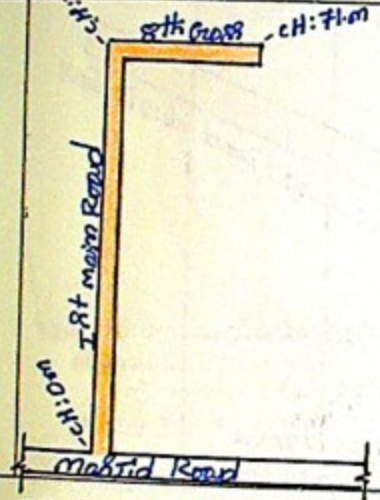
495150

Name of work ..... From ..... To .....

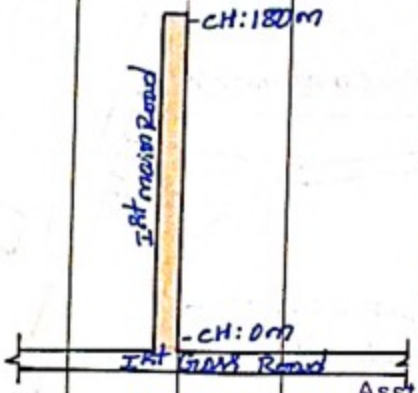
Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



BALAJI LAYOUT



PRAKRUTHI LAYOUT

Cert. that 23/12/20 JE-02

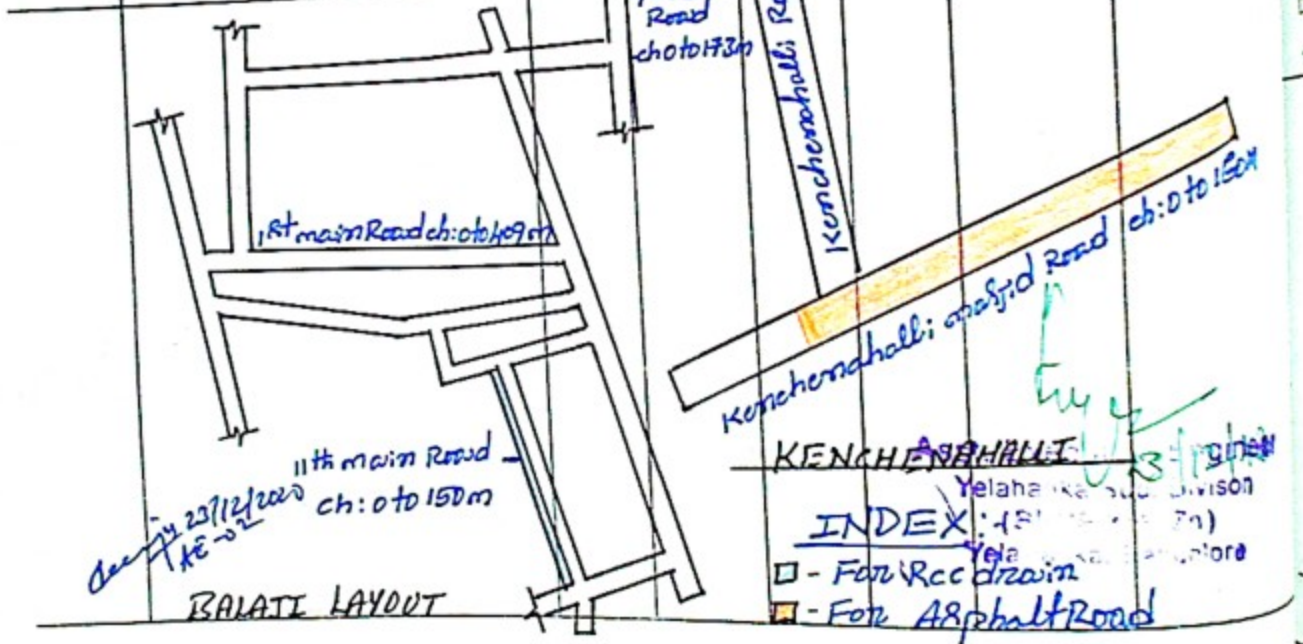
INDEX:-

□ - For Asphalt Road

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

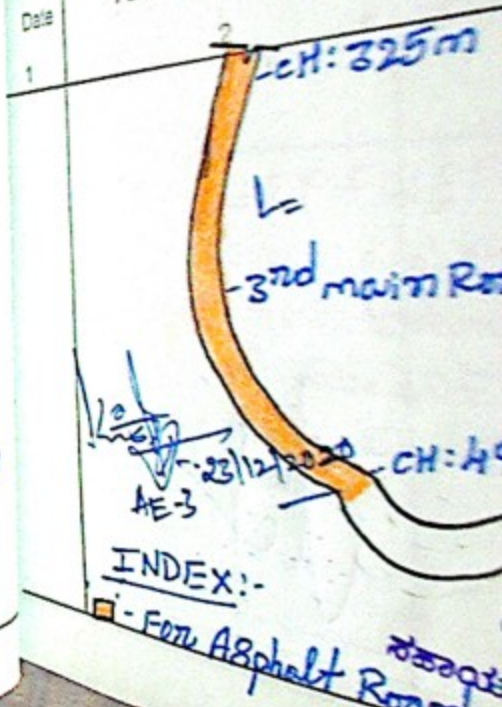
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
Name of work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



M. A. R. 57 (Rule 116) No. E

Measurement Book

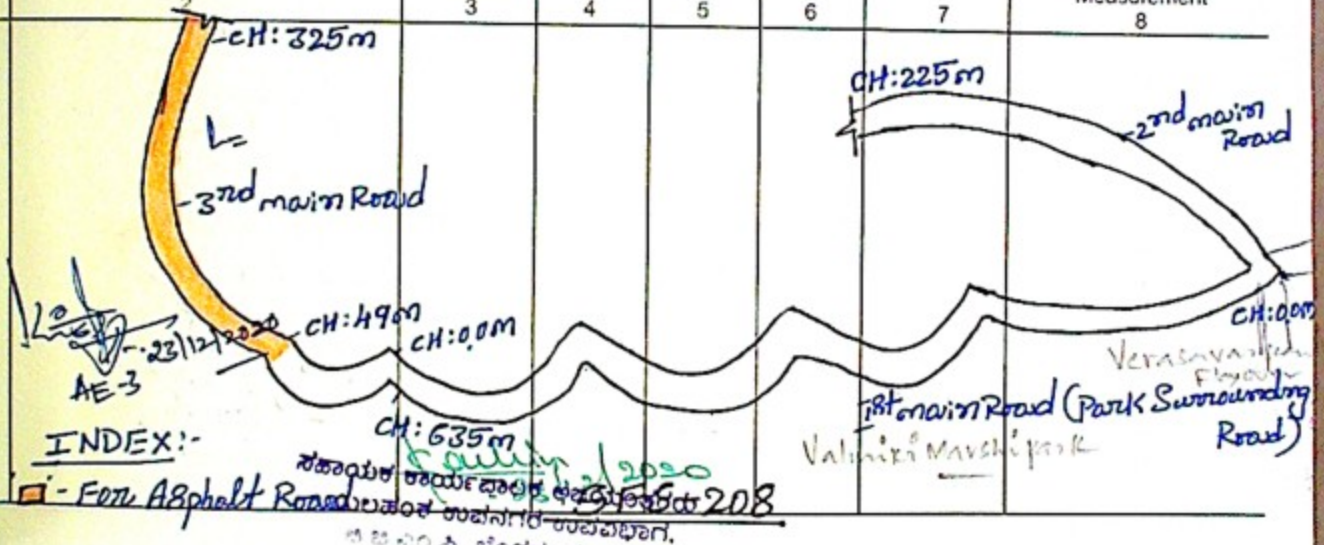
Serial No. 495151

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



INDEX:-

- For Asphalt Road

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ ಪೀಣ್ಯ ದಾಸರಹಳ್ಳಿ ವಲಯ 208

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Total Amount 97753645=00						
	Previous payment 78440852=00						
	Gross Amt =Rs 19312793=00					SBR No 138 16-01-2024	
	FSD =Rs —						
	CGST =Rs 172436=00						
	SGST =Rs 172436=00						
	IT =Rs 193128=00						
	LC =Rs 193128=00						
	CBP =Rs 19313=00						
	Royalty =Rs 98646=00						
	I.D. =Rs 849087=00						
	Net Amt =Rs 18463706=00						

Audited & Admitted for Rs. 19312793=00
one Crore ninty three lakh twelve Thousand Seven hundred ninty three.
18463706=00 by Cheque
and Rs. 849087=00 by adjustment

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency. .....
Date of commencement of work. .....

Date	Full description, etc, of work
1	2